

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Buswell et al.

Confirmation Number:

Application No.:

Examiner:

Filing Date:

Group Art Unit:

Title: Slotted Substrate and Method of Making

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EV355227489US**

Date of Deposit **8/18/2003**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Carlin Taylor
Typed Name: **Carlin Taylor**

Respectfully submitted,

Buswell et al.

By

Paul W. Mitch II

Attorney/Agent for Applicant(s)
Reg. No. **44,453**

Date: **8/18/2003**

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10015382-4

APPLICATION NO.

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GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,315,397	11/13/2001	Truninger et al.	
	1B	6,106,096	08/22/2000	Komplin et al.	
	1C	5,988,786	11/23/1999	Waller et al.	
	1D	5,847,725	12/08/1998	Cleland et al.	
	1E	5,361,087	11/01/1994	Tajima et al.	
	1F	6,348,396	02/19/2002	Ishitsuka et al.	
	1G	5,658,471	08/19/1997	Murthy et al.	
	1H	6,331,055	12/18/2001	Miller et al.	
	1I	6,184,570	02/06/2001	MacDonald, Jr. et al	
	1J	6,107,158	08/22/2000	Zheng et al.	
	1K	6,020,270	02/01/2000	Wong et al.	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Arai, Kazuya, "Die Cut Processing Substrate, Die Cut Substrate, and Manufacture of Die Cut Substrate", 09/12/2000, 8 pages.
1R	Momose, Kaoru et al., "Ink-Jet Type Recording Head", 05/23/2000, 11 pages.
1S	Uenishi, Katsuzo et al., "Thermal Ink Jet Head", 01/11/2000, 9 pages.

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	1B	5,820,919	10/13/1998	Teraï	
	1C	5,786,988	07/28/1998	Harari	
	1D	6,133,926	10/17/2000	Kawai et al.	
	1E	5,719,604	02/17/1998	Inui et al.	
	1F	5,499,630	09/12/1995	Lur et al.	
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	1J	5,441,593	08/15/1995	Baughman et al.	
	1K	5,378,137	01/03/1995	Asakawa et al.	

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	1L					
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	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Hida, Katsuharu et al., "Manufacture of Piezoelectric Element For Ink-Jet Head", 01/26/1999, 6 pages.
1R	Nakazawa, Toshiaki et al., "Ink Jet Head", 07/28/1998, 6 pages.
1S	Miyagawa, Masashi et al., "Record Head of Ink Jet Recorder", 06/04/1996, 15 pages.

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	1A	5,317,346	05/31/1994	Garcia	
	1B	5,066,357	11/19/1991	Smyth, Jr. et al.	
	1C	5,953,029	09/1999	Keefe et al.	
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
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	1P					

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	1Q	Naruse, Osamu et al., "Ink Jet Head", 01/09/1996, 6 pages.
	1R	Ota, Yoshihisa et al., "Ink Jet Head", 01/13/1995, 5 pages.
	1S	Miyagawa, Akira, "Wiper Blade of Ink Jet Recording Apparatus", 09/20/1991, 8 pages.

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